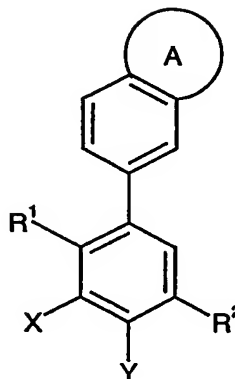


Claims:

1. A compound of formula (I):



(I)

wherein

A is a fused 5-membered heteroaryl ring optionally substituted by up to two substituents independently selected from C₁₋₆alkyl, -(CH₂)_m-C₃₋₇cycloalkyl, halogen, cyano, trifluoromethyl, -(CH₂)_mOR³, -(CH₂)_mCO₂R³, -(CH₂)_mNR³R⁴, -(CH₂)_mCONR³R⁴, -(CH₂)_mNHCOR³, -(CH₂)_mSO₂NR³R⁴, -(CH₂)_mNHSO₂R³, -(CH₂)_mSO₂(CH₂)_nR⁵, a 5- or 6-membered heterocyclyl ring containing nitrogen optionally substituted by C₁₋₂alkyl or -(CH₂)_mCO₂R³, and a 5-membered heteroaryl ring optionally substituted by C₁₋₂alkyl;

R¹ is selected from methyl and chloro;

R² is selected from -NH-CO-R⁶ and -CO-NH-(CH₂)_q-R⁷;

R³ is selected from hydrogen, C₁₋₆alkyl optionally substituted by up to two OH groups, -(CH₂)_m-C₃₋₇cycloalkyl, -(CH₂)_mphenyl optionally substituted by R⁸ and/or R⁹ and -(CH₂)_mheteroaryl optionally substituted by R⁸ and/or R⁹,

R⁴ is selected from hydrogen and C₁₋₆alkyl, or

R³ and R⁴, together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁰;

R⁵ is selected from C₁₋₆alkyl optionally substituted by up to three halogen atoms, C₂₋₆alkenyl optionally substituted by phenyl, C₃₋₇cycloalkyl, heteroaryl optionally substituted by up to three R⁸ and/or R⁹ groups, and phenyl optionally substituted by R⁸ and/or R⁹;

R⁶ is selected from hydrogen, C₁₋₆alkyl, -(CH₂)_q-C₃₋₇cycloalkyl, trifluoromethyl, -(CH₂)_rheteroaryl optionally substituted by R¹¹ and/or R¹², and -(CH₂)_rphenyl optionally substituted by R¹¹ and/or R¹²;

R⁷ is selected from hydrogen, C₁₋₆alkyl, C₃₋₇cycloalkyl, -CONHR¹³, phenyl optionally substituted by R¹¹ and/or R¹², and heteroaryl optionally substituted by R¹¹ and/or R¹²;

R^8 and R^9 are each independently selected from halogen, cyano, trifluoromethyl, nitro, C_{1-6} alkyl, C_{1-6} alkoxy, $-CONR^{13}R^{14}$, $-COR^{15}$, $-CO_2R^{15}$, and heteroaryl, or

R^8 and R^9 are linked to form a fused 5-membered heterocyclyl ring containing one heteroatom selected from oxygen, sulphur and $N-R^{10}$, or a fused heteroaryl ring;

R^{10} is selected from hydrogen and methyl;

R^{11} is selected from C_{1-6} alkyl, C_{1-6} alkoxy, $-(CH_2)_q-C_{3-7}$ cycloalkyl, $-CONR^{13}R^{14}$, $-NHCOR^{14}$, halogen, CN, $-(CH_2)_sNR^{16}R^{17}$, trifluoromethyl, phenyl optionally substituted by one or more R^{12} groups, and heteroaryl optionally substituted by one or more R^{12} groups;

R^{12} is selected from C_{1-6} alkyl, C_{1-6} alkoxy, halogen, trifluoromethyl, and $-(CH_2)_sNR^{16}R^{17}$;

R^{13} and R^{14} are each independently selected from hydrogen and C_{1-6} alkyl, or

R^{13} and R^{14} , together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and $N-R^{10}$, wherein the ring may be substituted by up to two C_{1-6} alkyl groups;

R^{15} is C_{1-6} alkyl;

R^{16} is selected from hydrogen, C_{1-6} alkyl and $-(CH_2)_q-C_{3-7}$ cycloalkyl optionally substituted by C_{1-6} alkyl,

R^{17} is selected from hydrogen and C_{1-6} alkyl, or

R^{16} and R^{17} , together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and $N-R^{10}$;

X and Y are each independently selected from hydrogen, methyl and halogen;

m is selected from 0, 1, 2 and 3;

n is selected from 0, 1, 2 and 3;

q is selected from 0, 1 and 2;

r is selected from 0 and 1; and

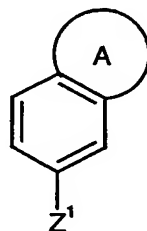
s is selected from 0, 1, 2 and 3.

2. A compound according to claim 1 wherein A is a fused 5-membered heteroaryl ring containing up to two heteroatoms independently selected from oxygen and nitrogen optionally substituted by up to two substituents independently selected from C_{1-4} alkyl, $-(CH_2)_m-C_{3-7}$ cycloalkyl, $-(CH_2)_mCO_2R^3$, $-(CH_2)_mNR^3R^4$, $-(CH_2)_mCONR^3R^4$, $-(CH_2)_mNHCOR^3$, $-(CH_2)_mSO_2(CH_2)_nR^5$, and a 5- or 6-membered heterocyclyl ring containing nitrogen optionally substituted by C_{1-2} alkyl or $-(CH_2)_mCO_2R^3$.

3. A compound according to claim 1 or claim 2 wherein R^1 is methyl.

4. A compound according to any one of the preceding claims wherein R^2 is $-CO-NH-(CH_2)_q-R^7$.

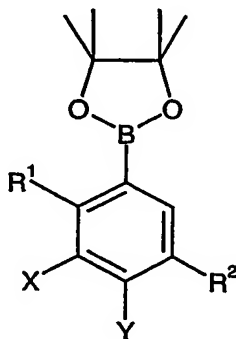
5. A compound according to any one of the preceding claims wherein X is hydrogen or fluorine.
- 5 6. A compound according to claim 1 as defined in any one of Examples 1 to 141.
7. A pharmaceutical composition comprising a compound as claimed in any one of claims 1 to 6 in admixture with one or more pharmaceutically acceptable carriers, diluents or excipients.
- 10 8. A method for treating a condition or disease state mediated by p38 kinase activity or mediated by cytokines produced by the activity of p38 kinase comprising administering to a patient in need thereof a compound as claimed in any one of claims 1 to 6.
- 15 9. Use of a compound as claimed in any one of claims 1 to 6 in the manufacture of a medicament for use in the treatment of a condition or disease state mediated by p38 kinase activity or mediated by cytokines produced by the activity of p38 kinase.
- 20 10. A process for preparing a compound of formula (I) as claimed in any one of claims 1 to 6 which comprises
- (a) reacting a compound of formula (II)



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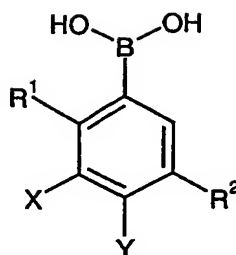
(II)

in which A is defined in claim 1 and Z¹ is halogen,
with a compound of formula (IIIA) or (IIIB)



30

(III A)



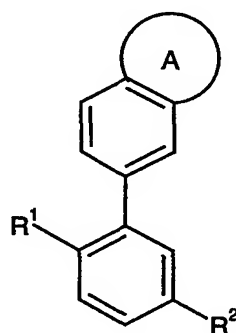
(III B)

5 in which R¹, R², X and Y are as defined in claim 1,
in the presence of a catalyst, or

(b) final stage modification of one compound of formula (I) as defined in claim 1
to give another compound of formula (I) as defined in claim 1.

10

11. A compound of formula (IA):



15

(IA)

wherein

A is a fused 5-membered heteroaryl ring optionally substituted by up to two substituents independently selected from C₁₋₆alkyl, -(CH₂)_m-C₃₋₇cycloalkyl, halogen, cyano, trifluoromethyl, -(CH₂)_mOR³, -(CH₂)_mNR³R⁴, -
20 (CH₂)_mCONR³R⁴, -(CH₂)_mNHCOR³, -(CH₂)_mSO₂NR³R⁴, -(CH₂)_mNHSO₂R³, -
(CH₂)_mSO₂(CH₂)_nR⁵, a 5- or 6-membered heterocyclyl ring containing nitrogen optionally substituted by C₁₋₂alkyl and a 5-membered heteroaryl ring optionally substituted by C₁₋₂alkyl;

R¹ is selected from methyl and chloro;

25 R² is selected from -NH-CO-R⁶ and -CO-NH-(CH₂)_q-R⁷;

R³ is selected from hydrogen, C₁₋₆alkyl optionally substituted by up to two OH groups, -(CH₂)_m-C₃₋₇cycloalkyl, -(CH₂)_mphenyl optionally substituted by R⁸ and/or R⁹ and -(CH₂)_mheteroaryl optionally substituted by R⁸ and/or R⁹

R⁴ is selected from hydrogen and C₁₋₆alkyl, or

R³ and R⁴, together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁰;

5 R⁵ is selected from C₁₋₆alkyl, C₃₋₇cycloalkyl, heteroaryl optionally substituted by R⁸ and/or R⁹, and phenyl optionally substituted by R⁸ and/or R⁹;

R⁶ is selected from hydrogen, C₁₋₆alkyl, -(CH₂)_q-C₃₋₇cycloalkyl, trifluoromethyl, -(CH₂)_rheteroaryl optionally substituted by R¹¹ and/or R¹², and -(CH₂)_rphenyl optionally substituted by R¹¹ and/or R¹²;

10 R⁷ is selected from hydrogen, C₁₋₆alkyl, C₃₋₇cycloalkyl, CONHR¹³, phenyl optionally substituted by R¹¹ and/or R¹², and heteroaryl optionally substituted by R¹¹ and/or R¹²;

R⁸ and R⁹ are each independently selected from halogen, cyano, trifluoromethyl, C₁₋₆alkyl, C₁₋₆alkoxy, COR¹⁵, CO₂R¹⁵, and heteroaryl, or

15 R⁸ and R⁹ are linked to form a fused 5-membered heterocyclyl ring containing one heteroatom selected from oxygen, sulphur and N-R¹⁰;

R¹⁰ is selected from hydrogen and methyl;

20 R¹¹ is selected from C₁₋₆alkyl, C₁₋₆alkoxy, -(CH₂)_q-C₃₋₇cycloalkyl, -CONR¹³R¹⁴, -NHCOR¹⁴, halogen, CN, -(CH₂)_sNR¹⁶R¹⁷, trifluoromethyl, phenyl optionally substituted by one or more R¹² groups, and heteroaryl optionally substituted by one or more R¹² groups;

R¹² is selected from C₁₋₆alkyl, C₁₋₆alkoxy, halogen, trifluoromethyl, and -(CH₂)_sNR¹⁶R¹⁷;

R¹³ and R¹⁴ are each independently selected from hydrogen and C₁₋₆alkyl, or

25 R¹³ and R¹⁴, together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁰, wherein the ring may be substituted by up to two C₁₋₆alkyl groups;

R¹⁵ is C₁₋₆alkyl;

30 R¹⁶ is selected from hydrogen, C₁₋₆alkyl and -(CH₂)_q-C₃₋₇cycloalkyl optionally substituted by C₁₋₆alkyl,

R¹⁷ is selected from hydrogen and C₁₋₆alkyl, or

R¹⁶ and R¹⁷, together with the nitrogen atom to which they are bound, form a 5- or 6-membered heterocyclic ring optionally containing one additional heteroatom selected from oxygen, sulfur and N-R¹⁰;

35 m is selected from 0, 1, 2 and 3;

n is selected from 0, 1, 2 and 3;

q is selected from 0, 1 and 2;

r is selected from 0 and 1; and

s is selected from 0, 1, 2 and 3.